

Eric Hoiland
300 West Winona Street
Rushford, MN 55971

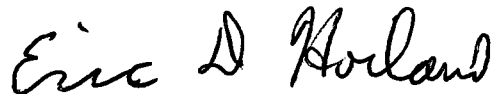
July 2, 2003

507-864-2525

City of Rushford
101 North Mill Street
Rushford, MN 55971

You are hereby notified that a citizen petition has been submitted to the Environmental Quality Board requesting that an environmental review be considered for the proposed diesel powered electric generating plant in the city of Rushford.

Respectfully,

A handwritten signature in cursive script that reads "Eric D. Hoiland". The signature is written in dark ink and is positioned below the word "Respectfully,".

Eric D. Hoiland

Cc: Environmental Quality Board, Representative Greg Davids, Senator Bob Kierlin

Citizen Petition Asking the City of Rushford to Prepare an Environmental Assessment Worksheet

Project Description: Construction of a diesel powered electric generating plant consisting of three engines capable of producing up to 2200 kilowatts (KW) each, with room to add a fourth engine. The location is a one acre parcel owned by the city of Rushford and next to its existing substation (**map 1**). The purposes are to produce electricity for emergency use by the city of Rushford, peak shaving for their wholesale power contract, and selling excess capacity.

Project Proposer: City of Rushford; 101 North Mill Street; Rushford, Minnesota 55971

Petition Representative: Eric Hoiland; 300 West Winona Street; Rushford, MN 55971; (507) 864-2525

Potential Environmental Effects: The site chosen is to be excavated from the side of the bluff where the slope exceeds 12 percent (**map 2**) and has a soil classification of Fayette silt loam (**map 3**). Also see **photocopy 1** of site with green shading representing affected area and **site map 1** which shows the proposed dimensions of the structure. The excavation will impact the water runoff as experienced in 2000 as a result of a city project on the bluff (**photo page 1**). The project will destroy the present flora and fauna of the site (**photo page 2**). Overall, the project will harm the aesthetics of this site and the adjacent properties which include several homes and the "Rushford Mill" (building number 82002806 on the National Register of Historic Sites) (**photo pages 3 to 5**).

Diesel generators produce considerable air and noise pollution. They create nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), sulfur oxides (SO_x), particulate matter (PM), and volatile organic compounds (VOC), all of which impact people's health (Heavner et al). These pollutants can create health risks for the entire community. As reported by Ryan et al., people living within 10 to 20 average city blocks of a diesel generator operating only 100 hours per year experience elevated mortality risk. Furthermore, a person's lifetime cancer risk increases by 50% if he or she lives near a single one-megawatt diesel generator that runs for as few as 250 hours per year (California Air Resources Board). Particulate matter produced by diesel generators can lodge in the lungs and result in the exacerbation of asthma, respiratory infections, increased susceptibility to allergens, pneumonia, heart disease and chronic obstructive lung disease (Heavner et al). Even short term exposure to PM may increase the chance of heart attacks in at-risk populations, as reported by Peters et al (at-risk populations are considered to be children, athletes, people with respiratory disease, and the elderly). The United States Environmental Protection Agency lists more than 40 components of diesel exhaust as hazardous air pollutants (California Air Resource Board).

Minnesota Noise Pollution Control Rule 7030.0040 lists the standard L10 daytime limit in Noise Area Classification 1 (NAC 1) at 65 dB(A) and the standard L10 nighttime limit

in NAC 1 at 55dB(A) (Minnesota Rules Chapter 7030). The residence next to the proposed site fall in the NAC 1 category as it is zoned R-1 Single Family Residential District (**map 4**). The rule also states "these standards are consistent with speech, sleep, annoyance, and hearing conversation requirements for receivers within areas grouped according to land activities by noise area classification." Minnesota Pollution Control Rule 7030.0030 states "any municipality having authority to regulate land use shall take all reasonable measures within its jurisdiction to prevent the establishment of land use activities listed in NAC 1,2, or 3 in any location where the standards established in part 7030.0040 will be violated immediately upon establishment of the land use." Diesel engines, without proper attenuation, placed on the site may exceed these limits.

This evidence indicates that, because of the nature and location of the proposed project, there may be a potential for significant environmental effects. For this reason we submit this petition to initiate consideration of environmental review by the Environmental Quality Board.

Respectfully submitted,

- | | Name | Address | City | State | Zip Code |
|---|-------------------------------------------------|--------------------------------|----------|-------|----------|
| 1 | Elizabeth Hoiland
<i>Elizabeth Hoiland</i> | 300 W Winona St | Rushford | MN | 55971 |
| 2 | Barbara D. Johnson
<i>Barbara D. Johnson</i> | RR1, Box 197
307 N. Elm St. | Rushford | MN | 55971 |
| 3 | Molly Wieser
<i>Molly Wieser</i> | 303 North Elm St. | Rushford | MN | 55971 |
| 4 | Rick L. Johnson
<i>Rick Johnson</i> | RR1, Box 197
307 N. Elm | Rushford | MN | 55971 |
| 5 | Wendy Todd
<i>Wendy Todd</i> | 201 Winona St. Box 198 | Rushford | MN | 55971 |
| 6 | Theresa Vesterse
<i>Theresa Vesterse</i> | 306 N Elm Box 395 | Rushford | MN | 55971 |
| 7 | Scott A. Gilbertson
<i>Scott Gilbertson</i> | Bx 296 | Rushford | MN | 55971 |

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Name	Address	City	State	Zip Code
Eric D. Hoiland	300 W. Winona St.	Rushford	MN	55971
Eric D. Hoiland				
Kaylee Johnson	RR1 Box 197, 307 N. Elm St.	Rushford	MN	55971
Kaycee Johnson				
Dan Boyum	601 W. Stevens Ave.	Rushford	MN	55971
Dan Boyum				
Denise R. Lecky	Rt. 1 Box 34	Rushford	MN	55971
Denise R. Lecky				
Bonnie Lemmerman	245 Lincoln Ave.	Lumbrota	MN	55992
Bonnie Lemmerman				
Ellen Patrick	142 W. Main St.	Osage	IA	50461
Ellen Patrick				
Barb Pagelkopf	2041 Pinewood Road SE	Rochester	MN	55904
Barb Pagelkopf				
CLAUDE DESCHAMPS	4425 ETTEMBOOK LN SW	ROCHESTER	MN	55902
Claude Deschamps				
Melissa Petersen	30 Bluffview Trailer Court	Rushford	MN	55971
Melissa S. Peterson				

Citizen Petition Asking the City of Rushford to Prepare an Environmental Assessment Worksheet

Name Address City State Zip Code

Karrol Gielow 311 North Mill Rushford, MN 55971
Karol Gielow

~~Bette Gielow~~ Bette Gielow 311 North Mill St Rushford MN 55971

Jane Gielow 311 North Mill St Rushford MN 55971

Shinda Kaski 301 North Mill St. Rushford, MN. 55971

Judea Kaski 301 North Mill St. Rushford, MN. 55971

CAROL LUKKASON

Carol Lukkason 300 N. Elm Rushford, Mn 55971

Merlin Lukkason 300 N. Elm Rushford, Mn 55971

Merlin Lukkason

Sandy Gilbertson

Sandy Gilbertson 208 E. Jessie, Rushford, Mn. 55971

Kelsey Gilbertson

Kelsey Gilbertson 208 E. Jessie, Rushford, MN. 55971

Danielle Gilbertson

Danielle Gilbertson 208 E. Jessie, Rushford, Mn. 55971

Mitch Gilbertson

Mitch Gilbertson 208 E. Jessie, Rushford Mn 55971

Allen Benson

Allen Benson

1124 E. Hayes St., Rushford, MN 55971

Christine Ronnenberg Christine Ronnenberg 313 North Elm St. Rushford, Mn. 55971

Citizen Petition Asking the City of Rushford to Prepare an Environmental Assessment Worksheet

Name	Address	City	State	Zip Code
Loretta Clark	PO Box 62	Rushford	MN	55971
Joretta Clark	201 E Rushford Ave			
Mark Wieser	303 N Elm St	Rushford	Mn	55971
Mark Wieser				
P. E. Culhane	261 E Rushford Ave	Rushford	MN	55971
Rita Culhane	P.O. Box 62			
Jim Culhane	201 E. Grove	Rushford	MN	55971
Jim Culhane				
Lu Ann Culhane	201 E Grove St	Rushford	MN	55971
Rulina Culhane				
Missy Paulson	207 E. Grove St	Rushford	MN	55971
Missy Paulson				
Betty Culhane	P.O. Box 283	Rushford	MN	55971
Betty Culhane	101 Grove St	Rushford	Mn.	55971
Linda R. Lea	103 S Elm	Rushford	MN	55971
Linda Lea				
Steve Lea	603 S Elm	Rushford	MN	55971
Steve Lea				

Citizen Petition Asking the City of Rushford to Prepare an Environmental Assessment Worksheet

Name	Address	City	State	Zip Code
<i>Charles J. Edenschnitz</i>				
Charles J. Edenschnitz	P.O. Box 27	Peterson	MN.	55962
<i>Nathan Boyum</i>				
Nathan Boyum	RR1 Box 190	Peterson	MN	55962
BARBARA NELSON	RR1 Box 34	LEWISTON	MN	55952-9706
<i>Barbara Nelson</i>				

REFERENCES

California Air Resources Board, *Attachment to Letter on Emergency Generators: Air Pollution Emissions from Electricity Generation*, 21 February 2001.

California Air Resources Board and Office of Environmental Health Hazard Assessment, *Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant*, 22 April 1998.

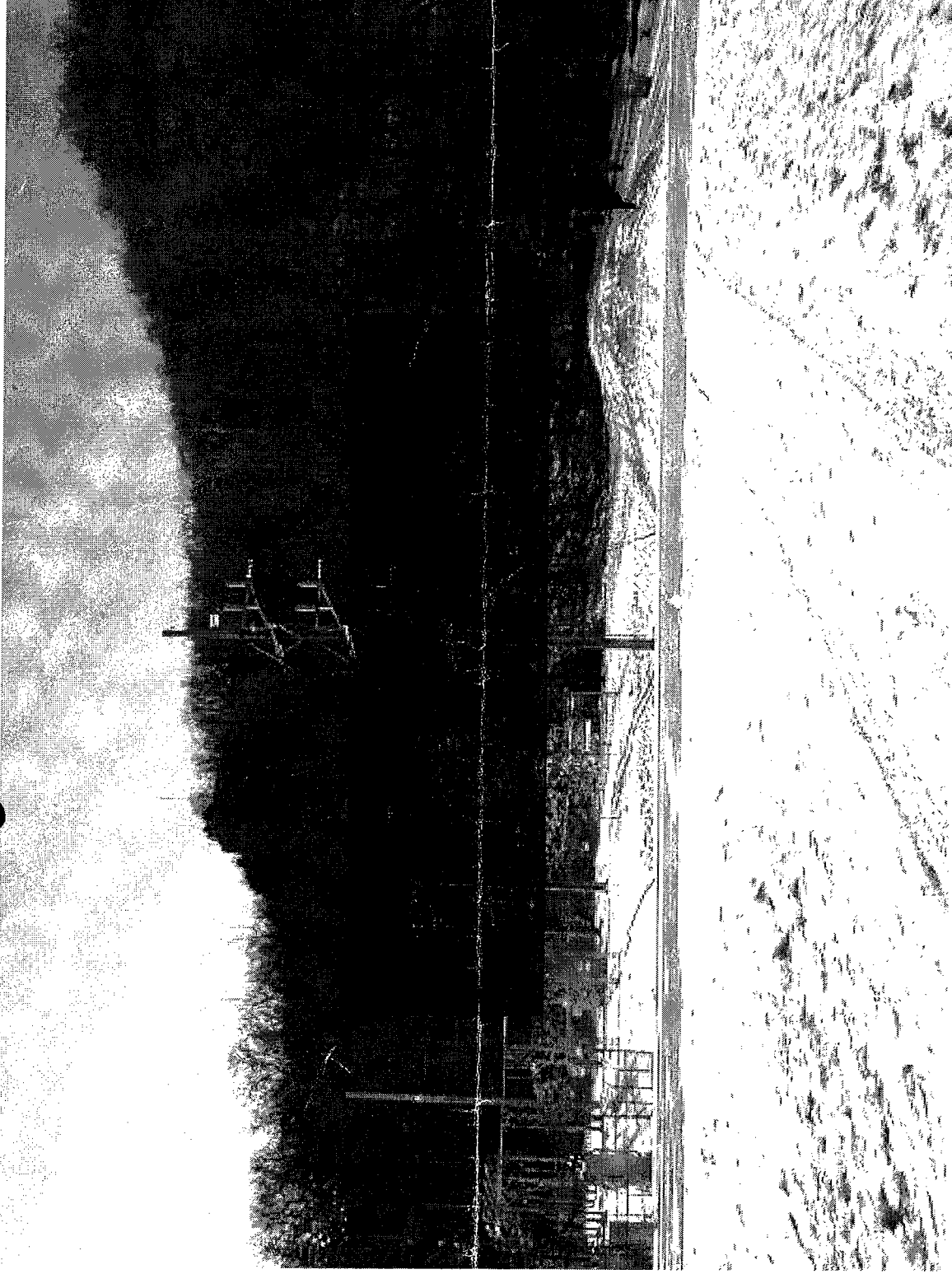
Heavner, Brad et al. *Micropower at the Crossroads: Public Health and the Future of Distributed Generation*. 2002 Center for Public Interest Research.

Minnesota Rules Chapter 7030. Minnesota Pollution Control Agency, Air Quality Division. Noise Pollution Control.

Peters, A. et al. "Increased Particulate Air Pollution and the Triggering of Myocardial Infarction," *Circulation* 103 (23), 12 June 2001.

Ryan, Nancy, et al. Environmental Defense, *Smaller, Closer, Dirtier: Diesel Backup Generators in California*, August 2002.

Photocopy 1



Green shaded area represents scope of ^{electricity} generating facility

Courtesy of: City of Rushford

Red Flag represents Northwest Corn of Property

Photo Page 1



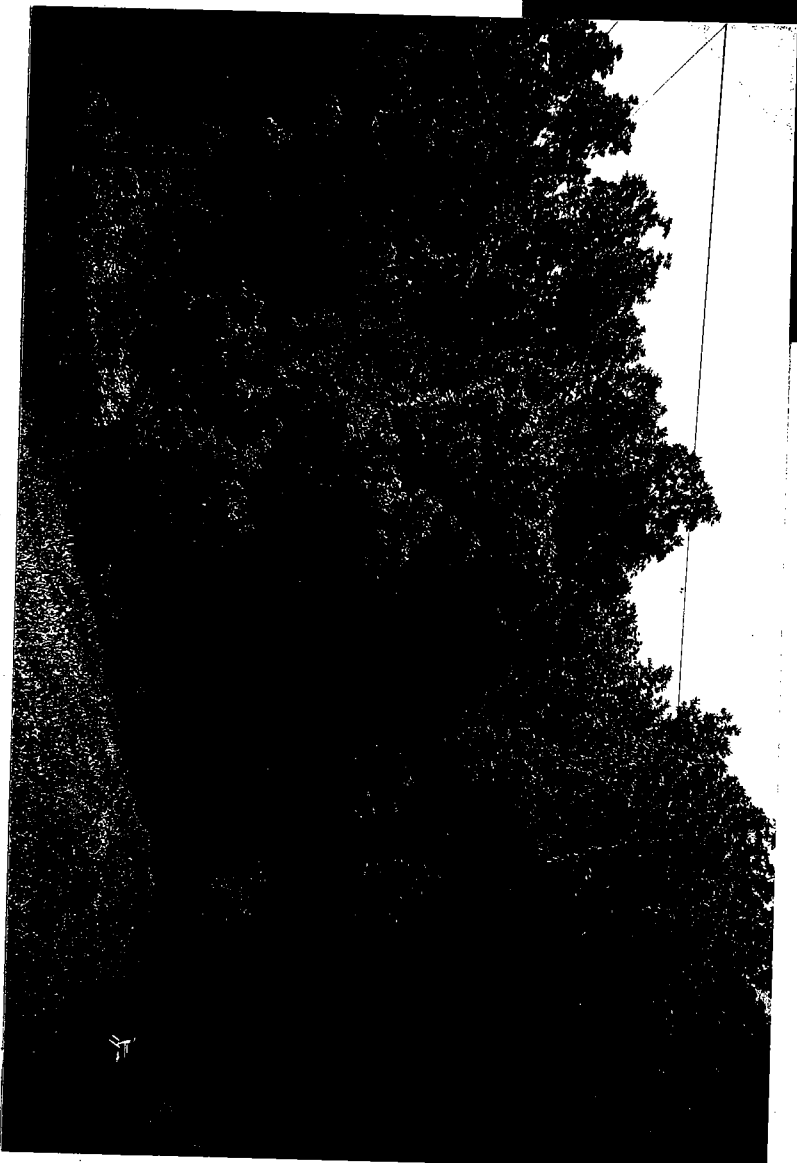
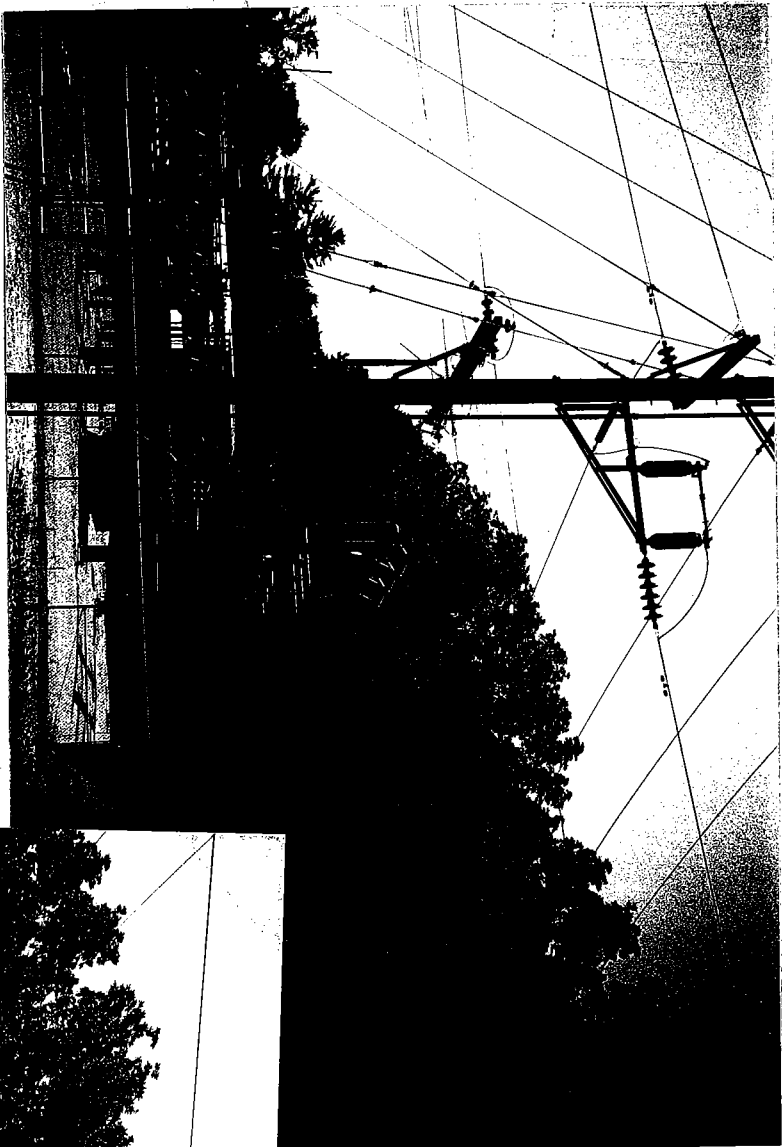
August 2000



August 2000

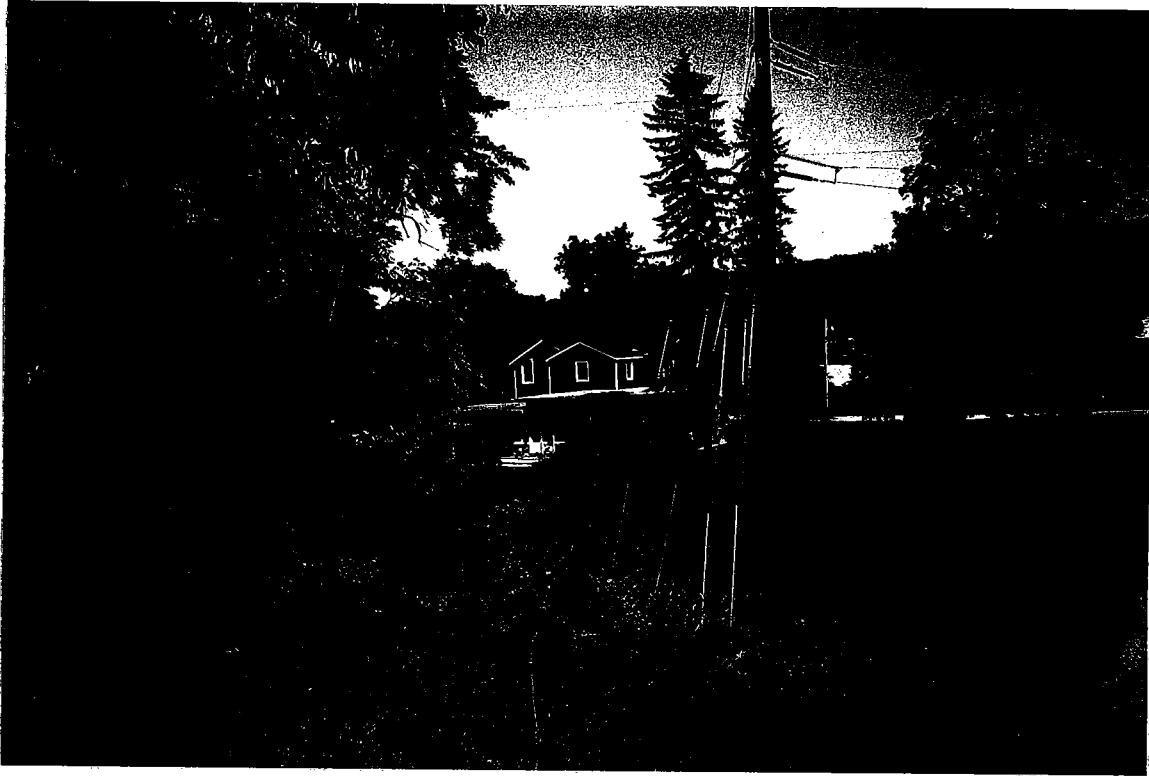
Photo Page 2

June 2003

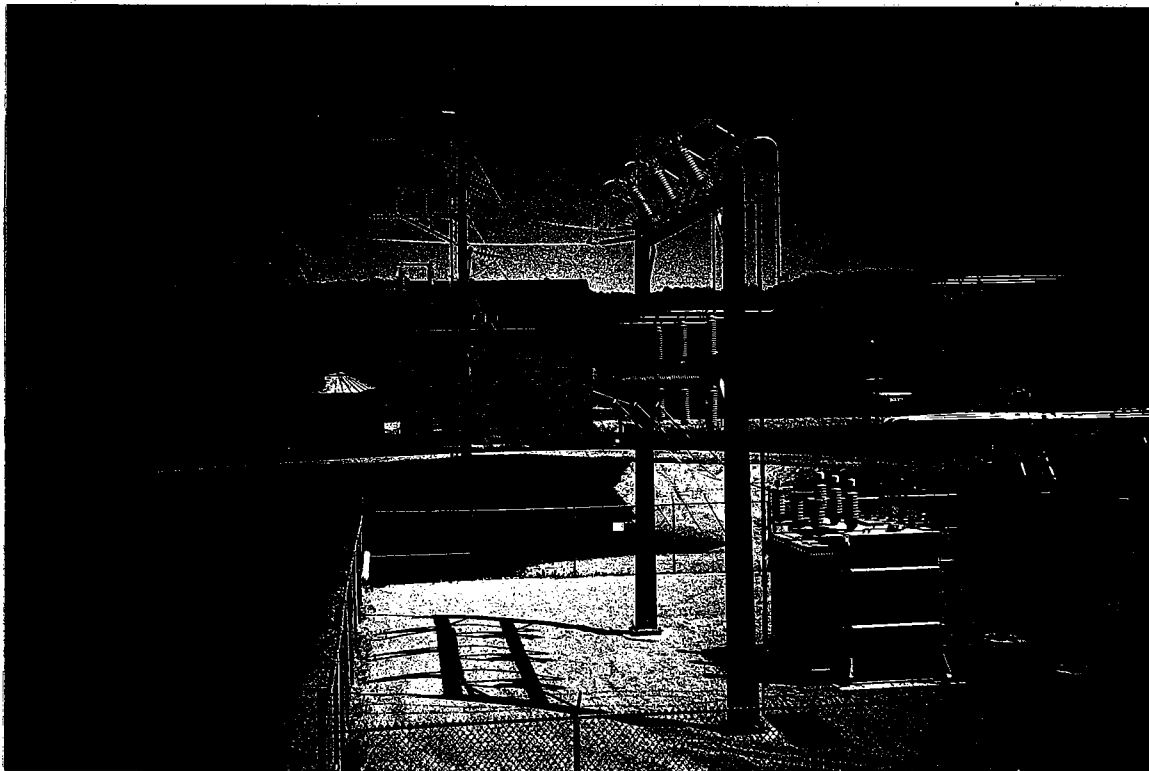


Overlapping
Photos

Photo Page 3



June 2003



June 2003

Photo Page 4

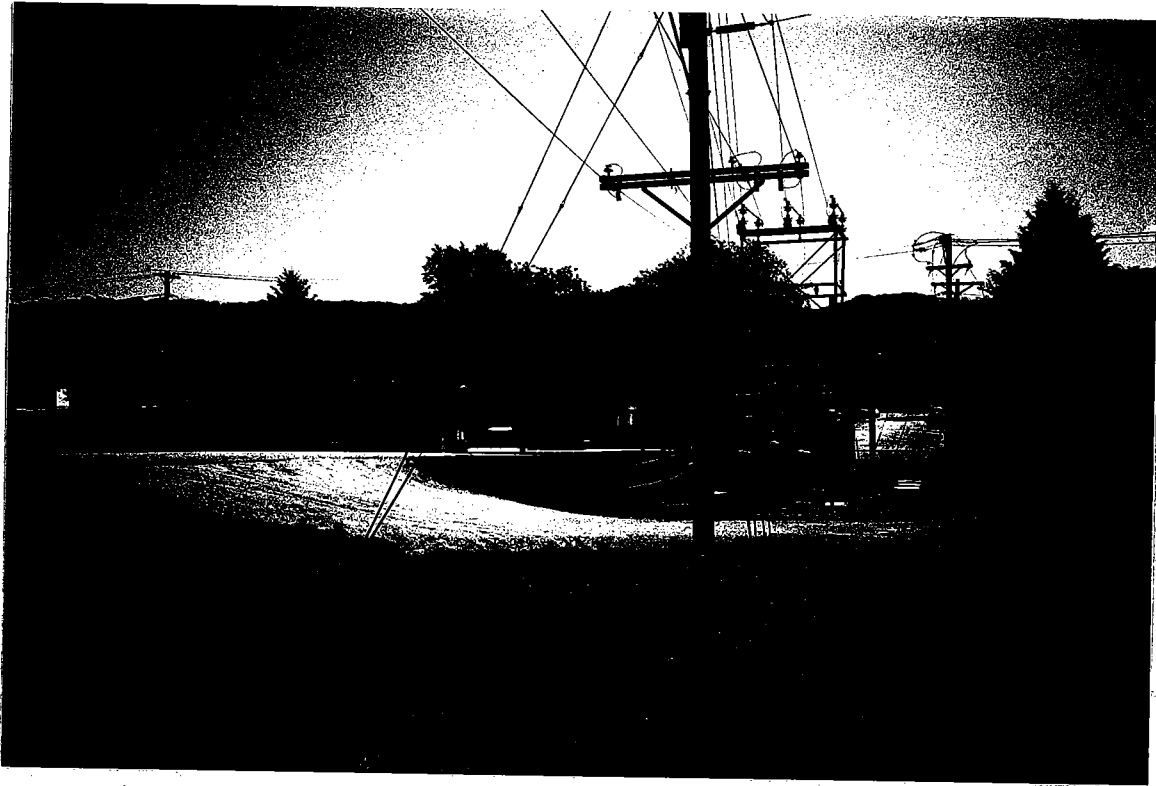


June 2003



June 2003

Photo Page 5



June 2003

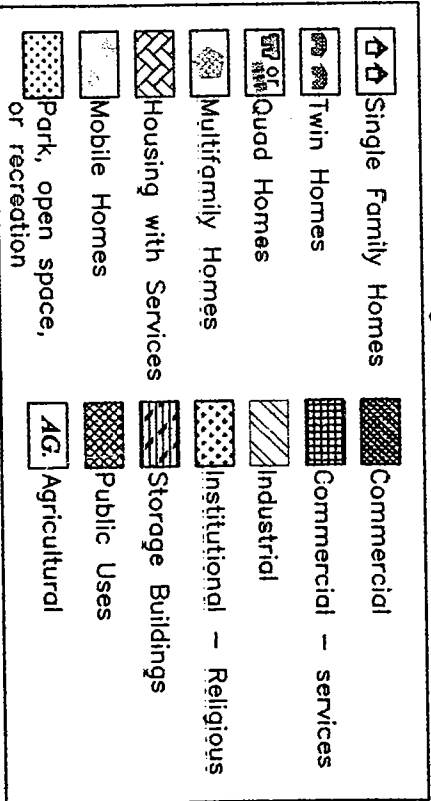


June 2003

[Signature]



Map 1





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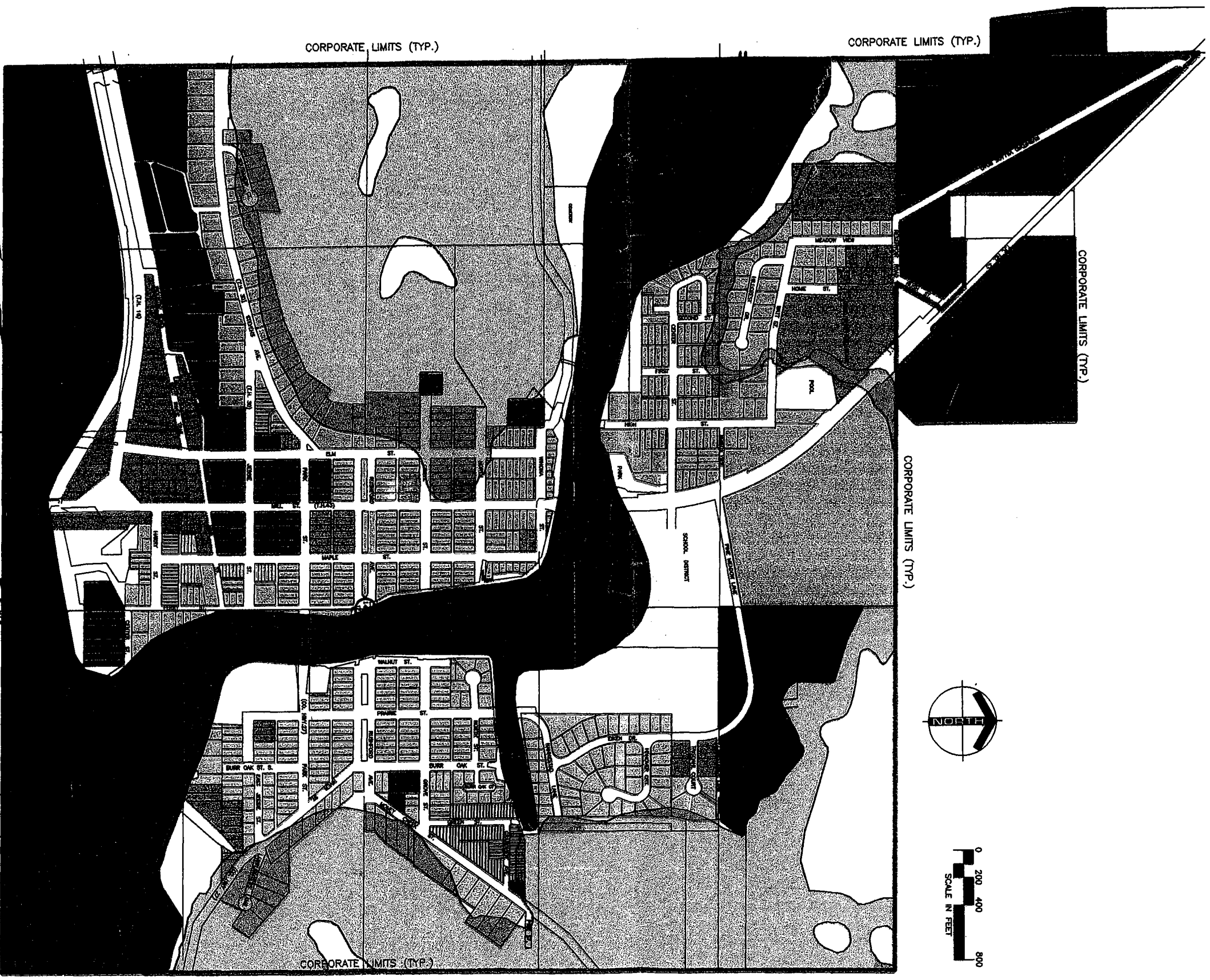
SOIL CLASSIFICATION MAP

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**YAGGY
COLBY
ASSOCIATES**
BUILDERS • ARCHITECTS
INTERIORS • PLUMBING
LANDSCAPE ARCHITECTS

CITY OF RUSHFORD, MINNESOTA



LEGEND

- A AGRICULTURAL DISTRICT
- C CBD CENTRAL BUSINESS DISTRICT COMMERCIAL DISTRICT
- C-A ARTERIAL COMMERCIAL DISTRICT
- I-1 LIGHT INDUSTRIAL DISTRICT
- R-1 SINGLE FAMILY RESIDENTIAL DISTRICT
- R-2 SINGLE FAMILY RESIDENTIAL DISTRICT
- R-3 MULTI-FAMILY RESIDENTIAL DISTRICT
- R-MH MOBILE HOME DISTRICT
- P.U.D. PLANNED UNIT DEVELOPMENT
- BLUFF PROTECTION OVERLAY DISTRICT
- FLOOD PLAIN MANAGEMENT OVERLAY DISTRICT

ZONING MAP

06/24/97



**YAGGY
COLBY
ASSOCIATES**
ENGINEERS - ARCHITECTS
SURVEYORS - PLANNERS
LANDSCAPE ARCHITECTS